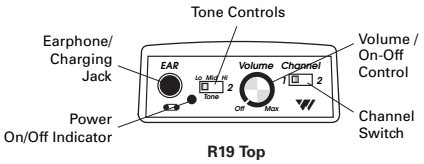
Personal PA® FM Receiver, Model PPA R19

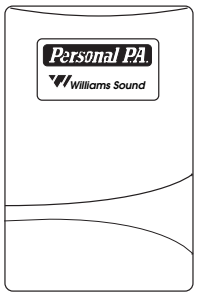
Description:
The PPA R19 is a narrow-band, two channel receiver that operates on the 72-76 MHz bandwidth. The narrow frequency makes it less susceptible to radio interference. And with good fidelity, the R19 is perfect for voice applications. The PPA R19's superior dual conversion technology lets you use up to 10 channels simultaneously with multiple transmitters. The PPA R19 will operate up to 1000 feet coverage (when used with a T35 transmitter), and can be used with a variety of earphone, headphone or neckloop options.

PPA R19 Receiver:

Model PPA R19:	2-Channel, pre-tuned, selectable CH 33 (72.9 MHz), CH 53 (75.7 MHz) standard 10 channels available (72.1-75.9 MHz)
Dimensions:	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm)
Weight:	3.2 oz (90 g) with battery
Color:	Neptune Blue
Battery Type:	(2) BAT 001 AA Alkaline or (2) BAT 026 NiMH
Battery Drain:	20 mA, nominal
Battery Life:	90-100 hrs with 2 AA Alkaline, 45-50 hrs/charge with BAT 026
Operating Freq:	Crystal controlled. See factory for frequency changing instructions.
Intermediate Freqs:	10.7 MHz, 455 kHz
FCC ID:	CNMR19
Earphone:	Earbud-type with foam cushion, 3.5 mm plug, 32 Ω
Output Connector:	3.5 mm mini phone jack
FM Deviation:	Narrow–band, 5 kHz
De-Emphasis:	300 µS
Sensitivity:	0.7 µV at 12 dB Sinad
Squelch Level:	4 µV for minimum 40 dB S/N ratio
Frequency Response:	100-5 kHz, ± 3 dB (Tone: Lo)
Receiver Antenna:	Integral with earphone cord
Signal-to-Noise Ratio:	50 dB
Audio Output:	35 mW, max. at 16 Ω (Tone: Lo; 3 VDC Bat.)
Acoustic Output:	125 dB Max SSPL90 with EAR 013
CONTROLS	
Tone:	Switched Low-Cut. Lo: 20 Hz / Mid: 120 Hz / Hi: 700 Hz
Volume & On/Off:	Combination, integral
Channel Selector:	PPA R19: 2-position, slide switch
Warranty:	5 years, parts and labor (90 days on accessories)



R19 Top



R19
Front View

Bid Specs:

The receiver shall be encased in a blue, polypropylene impact-resistant plastic with a single hinged door for battery installation. The receiver shall be a body-pack type and include an optional belt-clip case for hands-free operation. The receiver shall have a 3.5 mm mono phone jack and accommodate low-impedance mono earphones, headphones and neckloops telecoil couplers. The receiver shall have a combination volume control and power on/off rotator dial, and a green LED power "on" indicator. The receiver shall be crystal controlled to reduce frequency drifting. The receiver shall have 10 available channels: two channels shall be selectable by a 2-position slide switch and pre-tuned from 72-76 MHz. The receiver shall have an adjustable 3-position tone control switch to select Low (20 Hz), Mid (120 Hz) or Hi (700 Hz) operation. The receiver shall operate up to approx. 100 hours when using 1.5 V AA Alkaline batteries, and shall operate up to approx. 50 hours when using 1.5 V NiMH rechargeable AA batteries.

The receiver shall receive FM signals in the 72-76 MHz audio assistance band with 300 µS de-emphasis. The receiver shall provide a maximum output of 35 mW at 16 Ohms with an earbud-type earphone. The system's electrical frequency response shall be 100 Hz to 5 kHz, ± 3 dB and the signal-to-noise ratio shall be 50 dB at 10 µV. The receiver shall have a sensitivity of 0.7 µV at 12 dB Sinad.

The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones, batteries and chargers. The receiver model shall be the Williams Sound Corp. model PPA R19.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

©2005, Williams Sound Corp. MCAT 014A

Williams Sound®
Helping People Hear

Personal PA® FM Receiver, Model PPA R19

Contact:

United States and Mexico

Williams Sound Corp.
10321 W. 70th Street
Eden Prairie, MN 55344-3446
Ph: 800-328-6190 / 952-943-2252 / FAX: 952-943-2174
Web: www.williamssound.com
Email: info@williamssound.com

Canada

Thorvin Electronics
2861 Sherwood Heights Dr. Units 36-37
Oakville, ON L6J-7K1 Canada
Ph: 800-323-6634 / 905-829-3040 / FAX: 905-829-4196
Web: www.thorvinelectronics.com

South America

DPTech
SIA Trecho 3/4 Lote 335 2°. Andar
71200-030 Brasília, DF
BRAZIL
Ph: (5561) 361-1384
Fax: (5561) 361-0948
Web: www.dptech.com.br
Email: ws@dptech.com.br

Europe and Asia

Williams Sound Sales Office
Email: pauli@williamssound.com (or) doreenarmstrong@hotmail.com

©2005, Williams Sound Corp. MCAT 014A

Williams Sound®
Helping People Hear